

A61L 27/00, C08J 9/26 A1 (43) International Publication Date: 27 November 1997 (21) International Filing Date: 21 May 1997 (21.05.97) (22) International Filing Date: 21 May 1997 (21.05.97) (30) Priority Data: 118376 22 May 1996 (22.05.96) L (43) International Publication Date: 27 November 1997 (21.05.97) (51) Designated States: AL, AM, AT, AU, AZ, BA, BB, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GH, HU, II. SI, P, KE, GF, KP, KZ, LC, LS, LT, LU, LV, MD, MG, MK, MN, MW, MM, PL, FT, RO, RU, SD, SS, GS, IS, SK, TJ, TM, UA, UC, US, LZ, VM, VJ, ARIPO patent (AM, AZ, BY, MD, RU, TJ, TM), European patent (AM, AZ, BY, MD, RU, TJ, TM), European patent (AM, AZ, BY, MD, RU, TJ, TM), European patent (AT, BE, CT, TM, MD, RU, TJ, TM), European patent (AT, BE, CT, TM, MD, RU, TJ, TM), European patent (AT, BE, CT, TM, MD, RU, TJ, TM), European patent (AT, BE, CT, TM, MD, RU, TJ, TM), European patent (AT, BE, CT, TM, MD, RU, TJ, TM), European patent (AT, BE, CT, TM, MD, RU, TJ, TM), European patent (AT, BE, CT, TM, MD, RU, TJ, TM, European patent (AT, BE, CT, CT, CT, CT, CT, CT, CT, CT, CT, CT	INTERNATIONAL APPLICATION FUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)			
(43) International Publication Date: 27 November 1997 (21) International Application Number: PCT/IL97/00161 (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, EI, CB, CH, CLL, LI, LIS, JP, KE, KG, KP, KR, KZ, LC, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, PL, FT, RO, RU, SD, SG, SI, SI, ST, TM, TM, CAN, CL, CL, SL, LT, LU, LV, MD, MG, MK, MN, MY, MX, PL, FT, RO, RU, SD, SG, SG, SI, SK, TJ, TM, UA, UG, US, LZ, VM, VL, ARIPO patent (GH, MW, SD, SZ, UG). Eurosian patent (AM, AZ, BY, MD, RU, TJ, TM), European patent (AM, AZ, BY, MD, RU, TJ, TM), European patent (AT, BE, CA)	(51) International Patent Classification 6:		(11) International Publication Number: WO 97/44070	
(22) International Filing Date: 21 May 1997 (21.05.97) BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GH, HU, LI, SI, PF, KE, KP, KR, KZ, LC, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, PT, RO, RU, SD, SE, SG, SI SK, TI, TM, UA, UG, SI, LZ, VN, VI, ARIPO patent (GH, MW, SD, SZ, UG), Eurosian patent (AM, AZ, BY, MD, RU, T), TM), European patent (AM, AZ, BY, MD, RU, T), TM, European patent (AT, BE, CA, CH, CN, CU, ZD, EE, ES, FI, GH, CH, LI, LIS, PF, KE, KP, KP, KZ, LC, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, MX, MX, MV, MX, MX, MX, MY, MX, MX, MX, MX, MX, MX, MX, MX, MX, MX	A61L 27/00, C08J 9/26	A1	(43) International Publication Date: 27 November 1997 (27.11.97)	
(71) Applicant (for all designated States except US): BEN-GURION UNIVERSITY OF THE NEGEV [IL/IL]; Research and Development Authority, 1 Hashalom Street, 84419 Beer- Sheva (IL). (72) Inventors; and (75) Inventors'Applicants (for US only): SHAPIRO, Lilia [IL/IL]; Before the expiration of the time limit for amen	(22) International Filing Date: 21 May 1997 (2) (30) Priority Data: 118376 22 May 1996 (22.05.96) (71) Applicant (for all designated States except US): BEN-CUNIVERSITY OF THE NEGEV [IL/IL]; Resea Development Authority, I Hashalom Street, 8441 Sheva (IL). (72) Inventors and (75) Inventors/Applicants (for US only): SHAPIRO, Lilia I/21 Ashter Barnah Street, 84251 Beer-Sheva (IL). LIS, Rachel [IL/IL]: 59 Har-Bokes Street, Ranch Beer-Sheva (IL). COHEN, Smadar [IL/IL]: 12 The race Street, 49531 Patcha-Tikva (IL). (74) Agents: LUZZATTO, Kfir et al.; Luzzatto & Luzzatt Box 5352, 84152 Beer-Sheva (IL).	GURIO arch ar 19 Bee GLICH t, 8486 bzoth I	BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, UI, LL, S. PY, EK, GK, EP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, GS, GS, CS, SK, TJ, TM, TR, TT, UA, UG, US, LZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CL, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	

(54) Title: POLYSACCHARIDE SPONGES FOR CELL CULTURE AND TRANSPLANTATION

(57) Abstract

A polysaccharide sponge characterized by having: (i) an average pore size in the range between about 10 μ m to about 300 μ m; (ii) an average distance between the pores being the wall thickness of the pores in the range between about 5 μ m to about 270 μ m; and (iii) an E-modulus of elasticity being a measure of the rigidity of the sponge in the range of about 50 kPa to about 500 kPa.



